

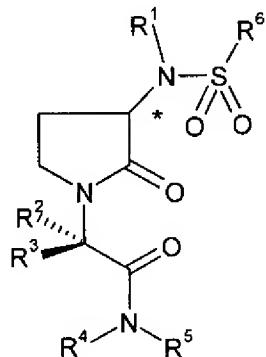
Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

In the Claims:

What is claimed is:

1. (Previously Presented) A compound of formula (I):



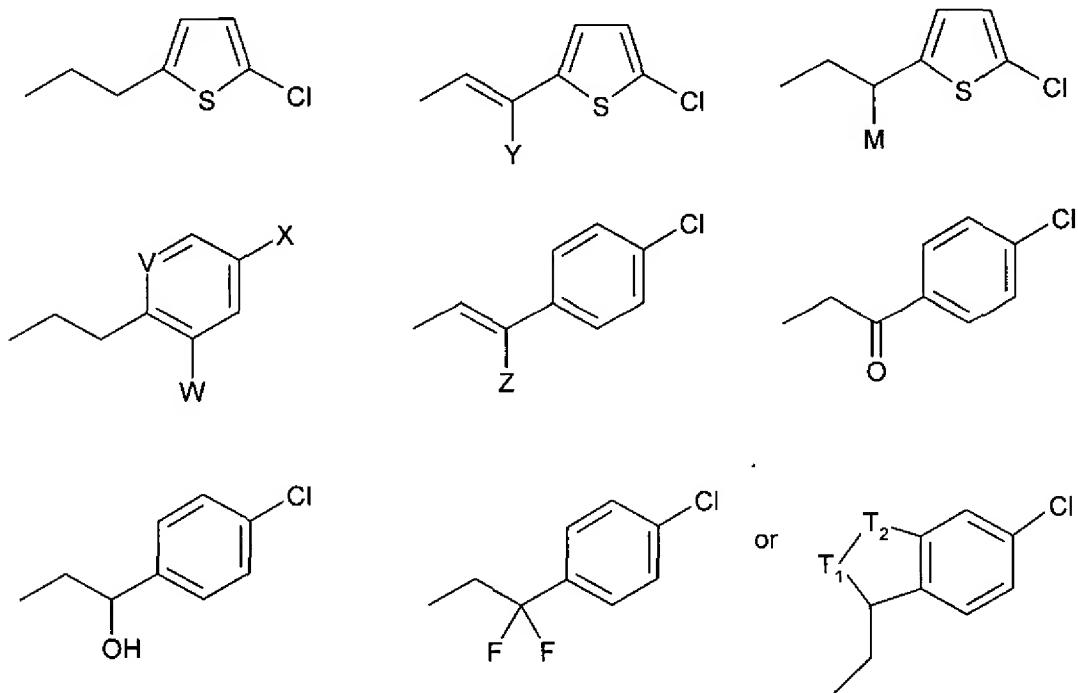
wherein:

R¹ represents hydrogen, C₁₋₄alkyl, -CH₂CO₂H, -CH₂CO₂C₁₋₂alkyl, or -CH₂CONR⁷R⁸;
R² and R³ independently represent hydrogen, -C₁₋₆alkyl, -C₁₋₃alkylCN, -C₁₋₃alkylCO₂H, -C₁₋₄alkylOC₁₋₄alkyl, -C₁₋₄alkylS(O)_nC₁₋₄alkyl, -C₁₋₄alkylNR¹⁰R¹¹, -C₁₋₃alkylNCO₂C₁₋₄alkyl, -C₁₋₃alkylCONR⁷R⁸, -C₁₋₃alkylCO₂C₀₋₂alkylR⁹, -C₁₋₃alkylCOC₀₋₂alkylR⁹, -C₁₋₃alkylICON(R⁸)C₀₋₂alkylR⁹, -C₁₋₃alkylNCO₂C₀₋₂alkylR⁹, -C₁₋₃alkylNCO₂alkylR⁹ or -C₀₋₂alkylR⁹, with the proviso that one of R² and R³ is hydrogen and the other is a substituent other than hydrogen;

n is an integer between 0 and 2;

R⁴ and R⁵ together with the nitrogen atom to which they are attached form a morpholino ring;

R⁶ represents a group selected from:



wherein T₁ and T₂ independently represent CH₂, NH, S or O with the proviso that when one of T₁ or T₂ represents NH, S or O the other represents CH₂;

M represents CH₃, -OH or =O;

V represents CH or N;

W represents H, CH₃, Cl or F;

X represents Cl, Br, F or -CH₃;

Y represents CH₃ or CF₃;

Z represents -CH₃ or F;

R⁷ and R⁸ are independently hydrogen, C₁₋₄alkyl or together with the N atom to which they are bonded form a 5- or 6- membered non-aromatic heterocyclic ring, optionally containing an additional heteroatom selected from O, N or S;

R¹⁰ and R¹¹ independently represent C₁₋₄alkyl or together with the N atom to which they are bonded form a 5- or 6- membered non-aromatic heterocyclic ring, optionally containing an additional heteroatom selected from O, N or S;

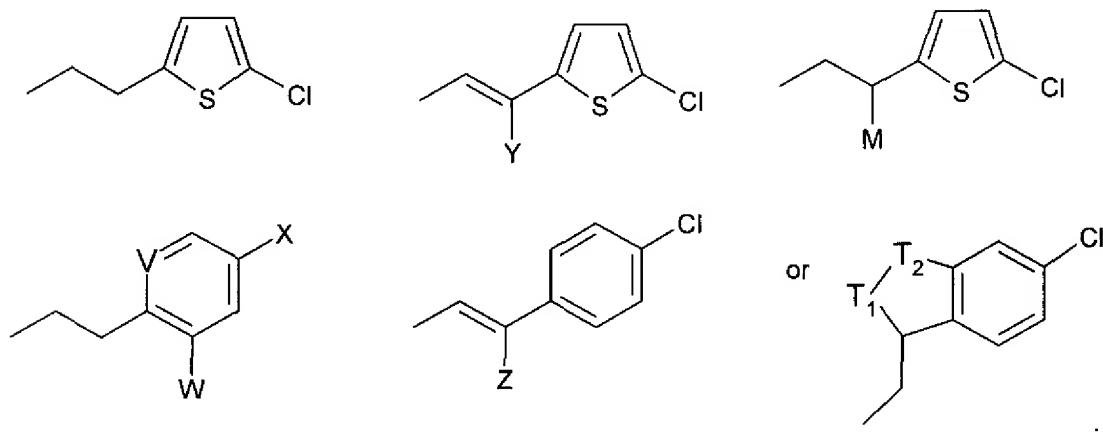
R⁹ represents phenyl or a 5- or 6- membered aromatic or non-aromatic heterocyclic group, containing at least one heteroatom selected from O, N or S, each of which is optionally substituted by 0-2 groups selected from: C₁₋₃alkyl or halogen; or pharmaceutically acceptable derivatives thereof.

2. (Original) A compound of formula (I) as claimed in claim 1 wherein R¹ represents hydrogen, methyl, -CH₂CO₂C₁₋₂alkyl, or -CH₂CONR⁷R⁸.

3. (Previously Presented) A compound of formula (I) as claimed in claim 1 wherein R² and R³ independently represent -C₁₋₆alkyl, -C₁₋₃alkylCN, -C₁₋₄alkylOC₁₋₄alkyl, -C₁₋₄alkylS(O)_nC₁₋₄alkyl, -C₁₋₄alkylNR¹⁰R¹¹, -C₁₋₃alkylICONR⁷R⁸, -C₁₋₃alkylCO₂C₀₋₂alkylR⁹, -C₁₋₃alkylICON(R⁸)C₀₋₂alkylR⁹ or -C₀₋₂alkylR⁹, with the proviso that one of R² and R³ is hydrogen and the other is a substituent other than hydrogen.

4. (Previously Presented) A compound of formula (I) as claimed in claim 3 wherein R³ represents hydrogen.

5. (Currently Amended) A compound of formula (I) as claimed in claim 1 wherein R⁶ represents a group selected from:



6. (Original) A compound as claimed in claim 1 wherein:

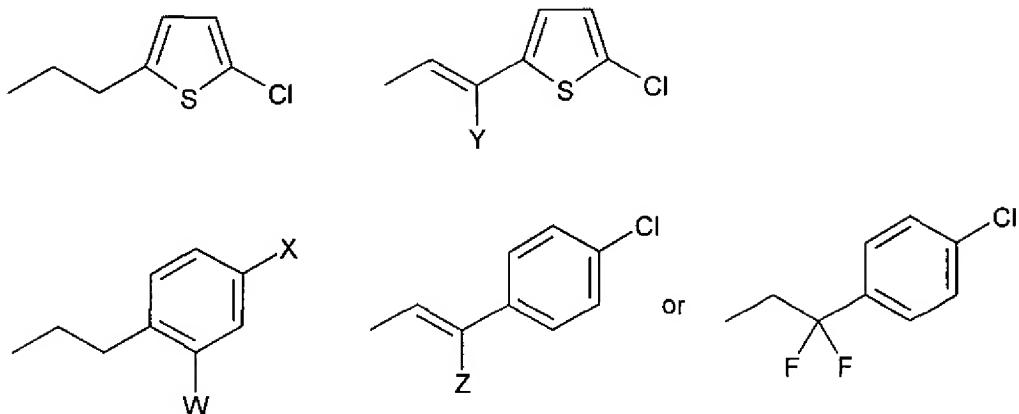
R¹ represents hydrogen, methyl, -CH₂CO₂H, -CH₂CO₂C₁₋₂alkyl, or -CH₂CONR⁷R⁸;

R² represents -C₁₋₄alkyl, -CH₂CO₂H, -CH₂OCH₃, -CH(CH₃)OCH₃, -CH₂CON(CH₃)₂, benzyl, -CH₂CO₂-benzyl, -CH₂CO-morpholine, or -CH₂-thiophene;

R³ represents hydrogen;

R⁴ and R⁵ together with the nitrogen atom to which they are attached form a morpholino ring;

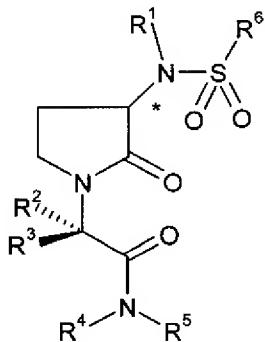
R⁶ represents a group selected from:



wherein W represents H, Cl or F;
X represents Cl, Br, F or -CH₃;
Y represents CH₃ or CF₃;
Z represents -CH₃ or F; and
R⁷ and R⁸ are independently hydrogen or methyl.

7. (Cancelled)
8. (Previously Presented) A pharmaceutical composition comprising a compound according to claim 1 together with a pharmaceutical carrier and/or excipient.
9. (Cancelled)
10. (Currently Amended) A method of treating a patient suffering from a condition susceptible to amelioration by a thrombin inhibitor, wherein said condition is selected from myocardial infarction, unstable angina, prothrombotic sequelae associated with myocardial infarction or heart failure, pulmonary embolism, deep vein thrombosis, and thromboembolic events associated with atrial fibrillation, comprising administering a therapeutically effective amount of a compound according to claim 1.

11. (Currently Amended) A process for preparing a compound of formula (I)



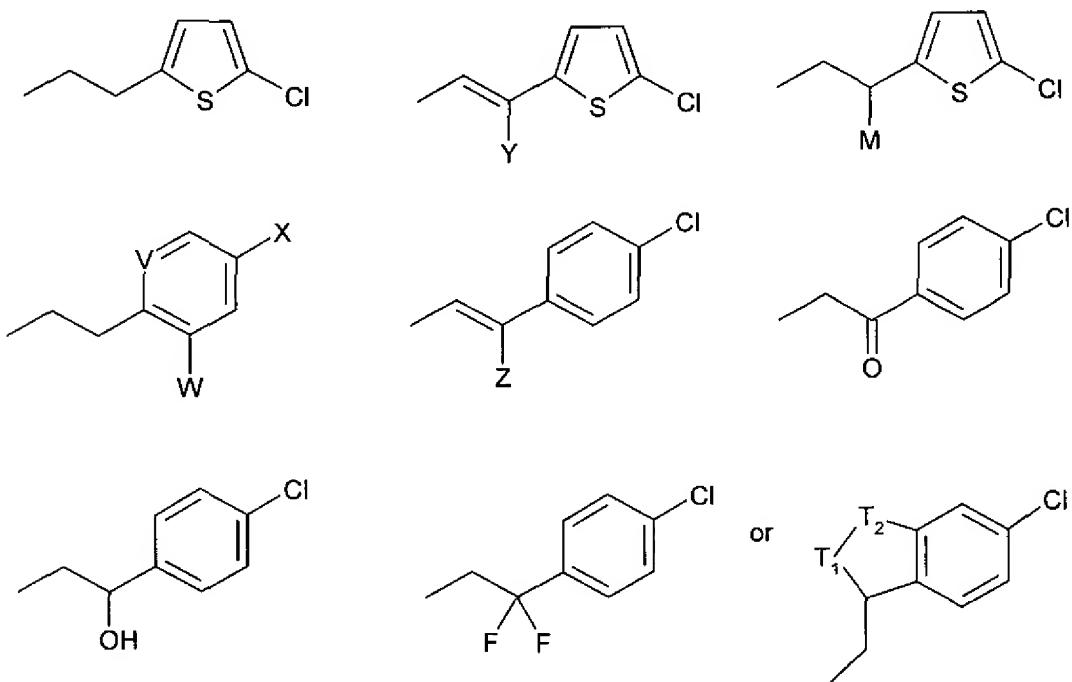
including pharmaceutically acceptable derivatives thereof, wherein:

R¹ represents hydrogen, C₁₋₄alkyl, -CH₂CO₂H, -CH₂CO₂C₁₋₂alkyl, or -CH₂CONR⁷R⁸;
R² and R³ independently represent hydrogen, -C₁₋₆alkyl, -C₁₋₃alkylCN, -C₁₋₃alkylCO₂H, -C₁₋₄alkylOC₁₋₄alkyl, -C₁₋₄alkylS(O)_nC₁₋₄alkyl, -C₁₋₄alkylINR¹⁰R¹¹, -C₁₋₃alkylINCO₂C₁₋₄alkyl, -C₁₋₃alkylICONR⁷R⁸, -C₁₋₃alkylCO₂C₀₋₂alkylR⁹, -C₁₋₃alkylCOC₀₋₂alkylR⁹, -C₁₋₃alkylICON(R⁸)C₀₋₂alkylR⁹, -C₁₋₃alkylINCO₂C₀₋₂alkylR⁹, -C₁₋₃alkylINCOC₀₋₂alkylR⁹ or -C₀₋₂alkylR⁹, with the proviso that one of R² and R³ is hydrogen and the other is a substituent other than hydrogen;

n is an integer between 0 and 2;

R⁴ and R⁵ together with the nitrogen atom to which they are attached form a morpholino ring;

R⁶ represents a group selected from:



wherein T₁ and T₂ independently represent CH₂, NH, S or O with the proviso that when one of T₁ or T₂ represents NH, S or O the other represents CH₂;

M represents CH₃, -OH or =O;

V represents CH or N;

W represents H, CH₃, Cl or F;

X represents Cl, Br, F or -CH₃;

Y represents CH₃ or CF₃;

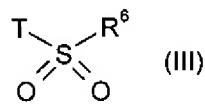
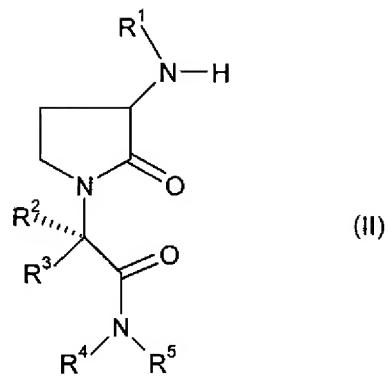
Z represents -CH₃ or F;

R⁷ and R⁸ are independently hydrogen, C₁₋₄alkyl or together with the N atom to which they are bonded form a 5- or 6- membered non-aromatic heterocyclic ring, optionally containing an additional heteroatom selected from O, N or S;

R¹⁰ and R¹¹ independently represent C₁₋₄alkyl or together with the N atom to which they are bonded form a 5- or 6- membered non-aromatic heterocyclic ring, optionally containing an additional heteroatom selected from O, N or S;

R⁹ represents phenyl or a 5- or 6- membered aromatic or non-aromatic heterocyclic group, containing at least one heteroatom selected from O, N or S, each of which is optionally substituted by 0-2 groups selected from: C₁₋₃alkyl or halogen;

which comprises reacting a compound of formula (II) with a compound of formula (III):



wherein T is a halide.